

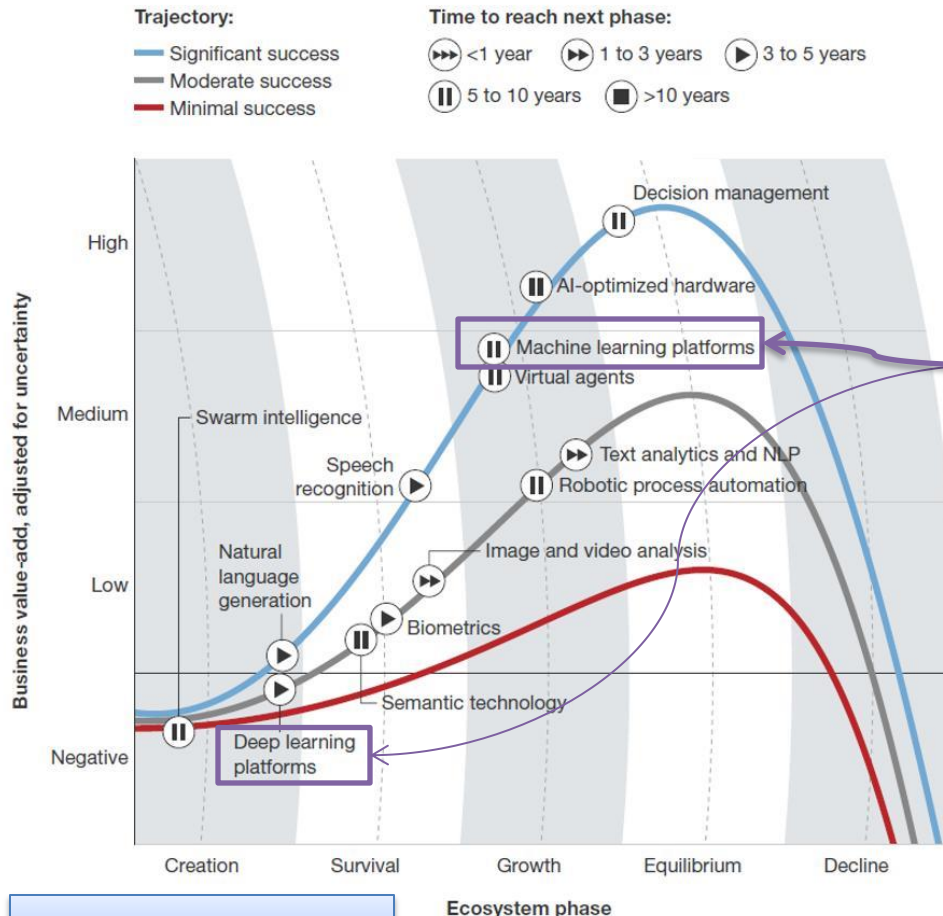
PNN: A Financial AI Platform

PNN: Predictive Neural Networks

An AI Deep Machine Learning
Platform for Financial Markets

PNN: Concept | Position | Value

FIGURE 4 TechRadar™: Artificial Intelligence Technologies, Q1 '17



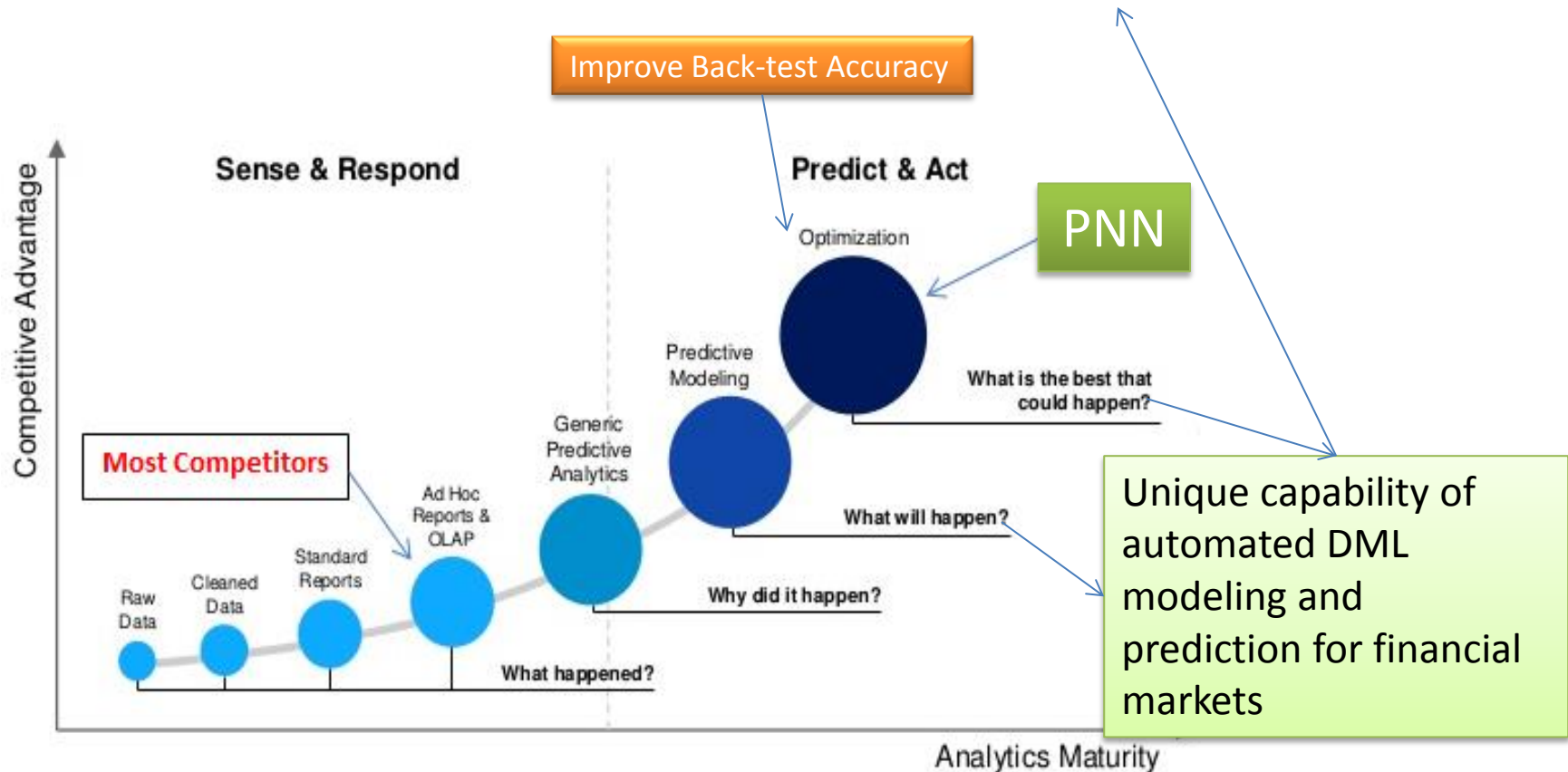
Forrester, Jan. 18 2017

What is PNN: the first artificial intelligence (deep learning) machine to automatically trendspot security prices with neural-network and sentiment algorithms.

Position: a Machine Learning platform or a Deep Learning platform among the AI technologies

Value: it takes investors four weeks and over \$150,000 to manually trendspot a financial security (e.g., AAPL). PNN automatically creates and sends on-demand predictive charts (of the highest back-test accuracy and cross validations) to investors within minutes.

Where is PNN in the Maturity vs. Competition Chart (Differentiator)?



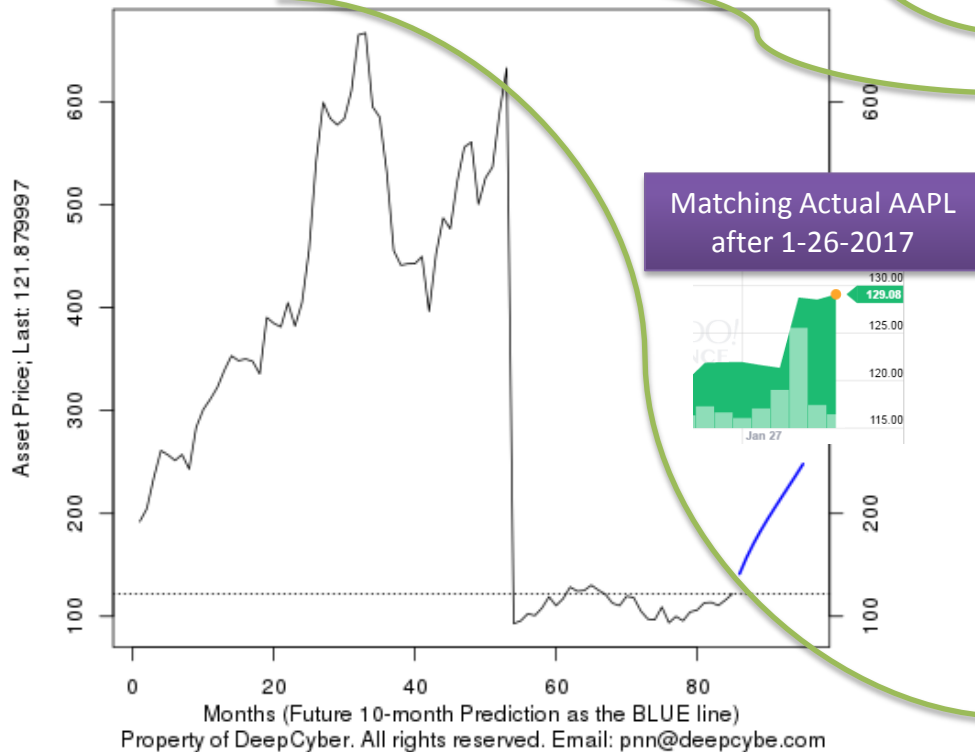
IDC estimated that the AI market will grow from \$8 billion in 2016 to more than \$47 billion in 2020.

PNN: a DML Platform

Demo: PNN Charts and AI Technologies

<https://github.com/yeswici/pnn>

AAPL Artificial Intelligence TrendSpotting by PNN
Back-test Accuracy: 82.7 %; Creation Date: 2017-01-26



On Best Back-test Accuracy

Best DML/AI Technology:

1. Wolfram AI
2. Google AI - TensorFlow
3. PNN AI - proprietary

Best algorithm:

1. Black and Scholes on option pricing;
2. Kahneman on loss aversion ([Chapter 5](#));
3. Engle on GARCH volatility;
4. Shiller and Fama on asset trendspotting
5. PNN algos - proprietary

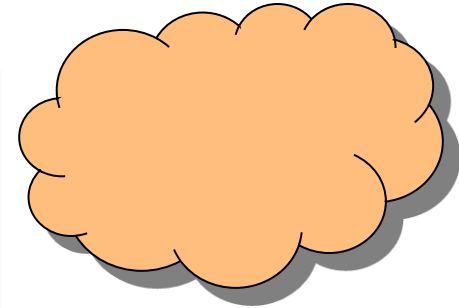
PNN: A Financial AI Platform

Users | Needs | Products



Financial Institutions
(Mutual|ETF|Hedge Funds)

As opposed to spending \$150,000+ and weeks to trend-spot a security, institutions need an AI cloud platform to automatically train and validate deep learning models to predict trends of security prices



PNN Cloud



Investors

Individual Investors

Need Android and iPhone AI apps to automatically predict trends of security prices with best back-test accuracy and the capability of cross validation



PNN Mobile